Use Attainability Analysis

for

WBID 0926 Pin Oak Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

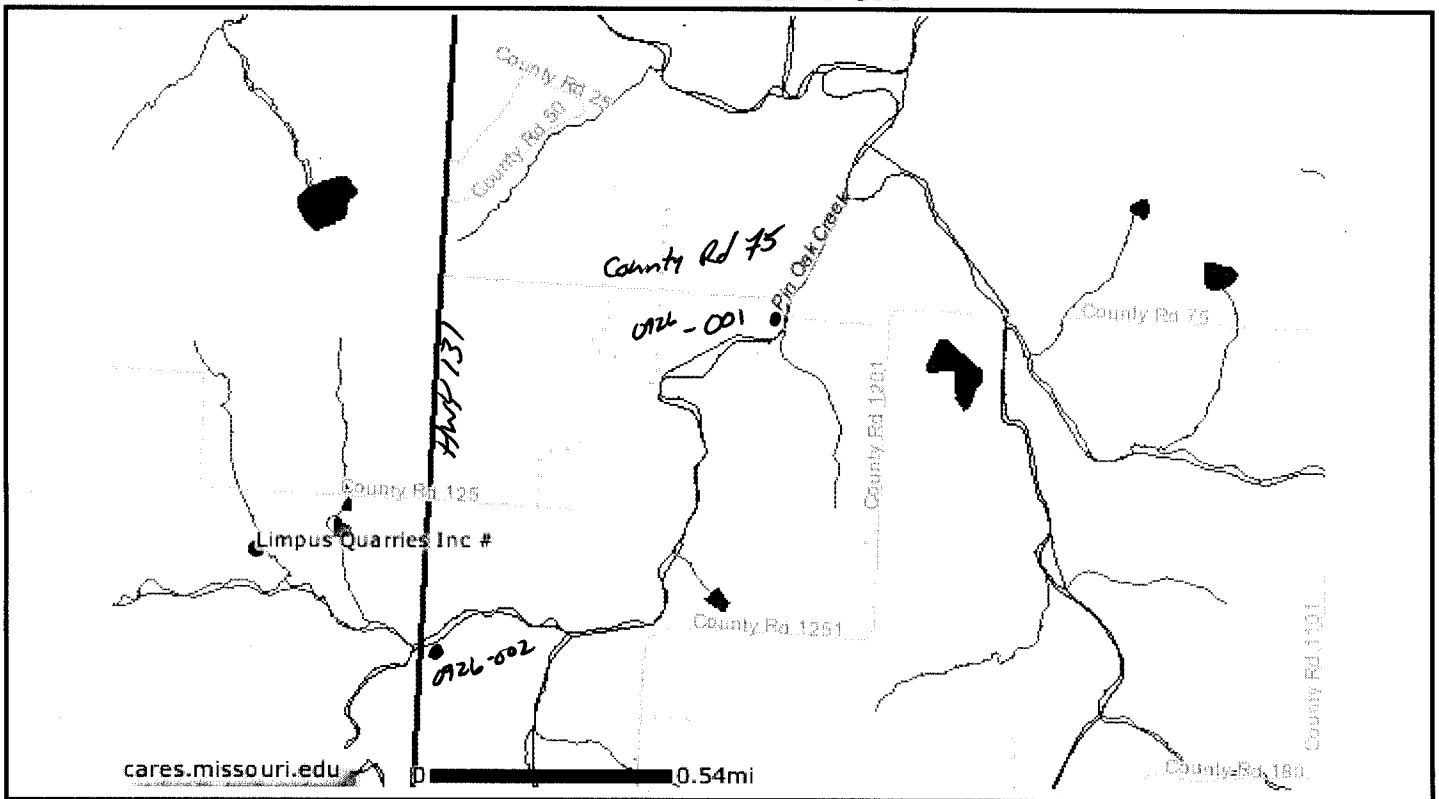
Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	Pin Oak Cr.
8-digit HUC:	10300104
Missouri WBID #:	0926
County:	Johnson
Upstream Legal Description:	County Rd 300
Downstream Legal Description:	County Rd 75
Upstream Coordinates:	N38.74037 W093.99411
Downstream Coordinates:	N38.75782 W093.97689
Discharger Facility Name(s):	Holden WWTF
Discharger Permit Number(s):	MO0057908
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Aaron Bleibaum 816-622-7018
Organization:	MDNR
Position:	Env. Specialist

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Aaron Bleibaum **Date:** 7/5/05

0926 - Pin Oak Cr.



Legend

- Water Quality Information System (WQIS)

Roads and Highways

- Interstate
- U.S. Highway
- State Numbered Highway
- State Lettered Highway
- Principal Road
- Road or Street
- Private Road or Drive

- County Boundaries

1:24,000 Rivers and Streams

- Perennial Stream/River
- Intermittent Stream/River
- Artificial Path (Approx. Centerline)
- Undifferentiated Stream/River
- Canal or Ditch
- Other Hydrologic Feature

NHD Rivers and Streams

- Perennial Stream/River
- Intermittent Stream/River
- Canal or Ditch
- (cont)
- Artificial Path (Approx. Centerline)
- Other Hydrologic Feature

Incorporated Areas

- City
- Town
- Village
- Census Designated Place
- Other

1:24,000 Water Bodies

- Lake or Pond
- Lake or Pond (Intermittent)
- Reservoir
- Stream or River
- Swamp or Marsh
- Canal or Ditch
- Other Water Body

NHD Water Bodies

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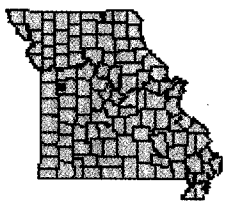
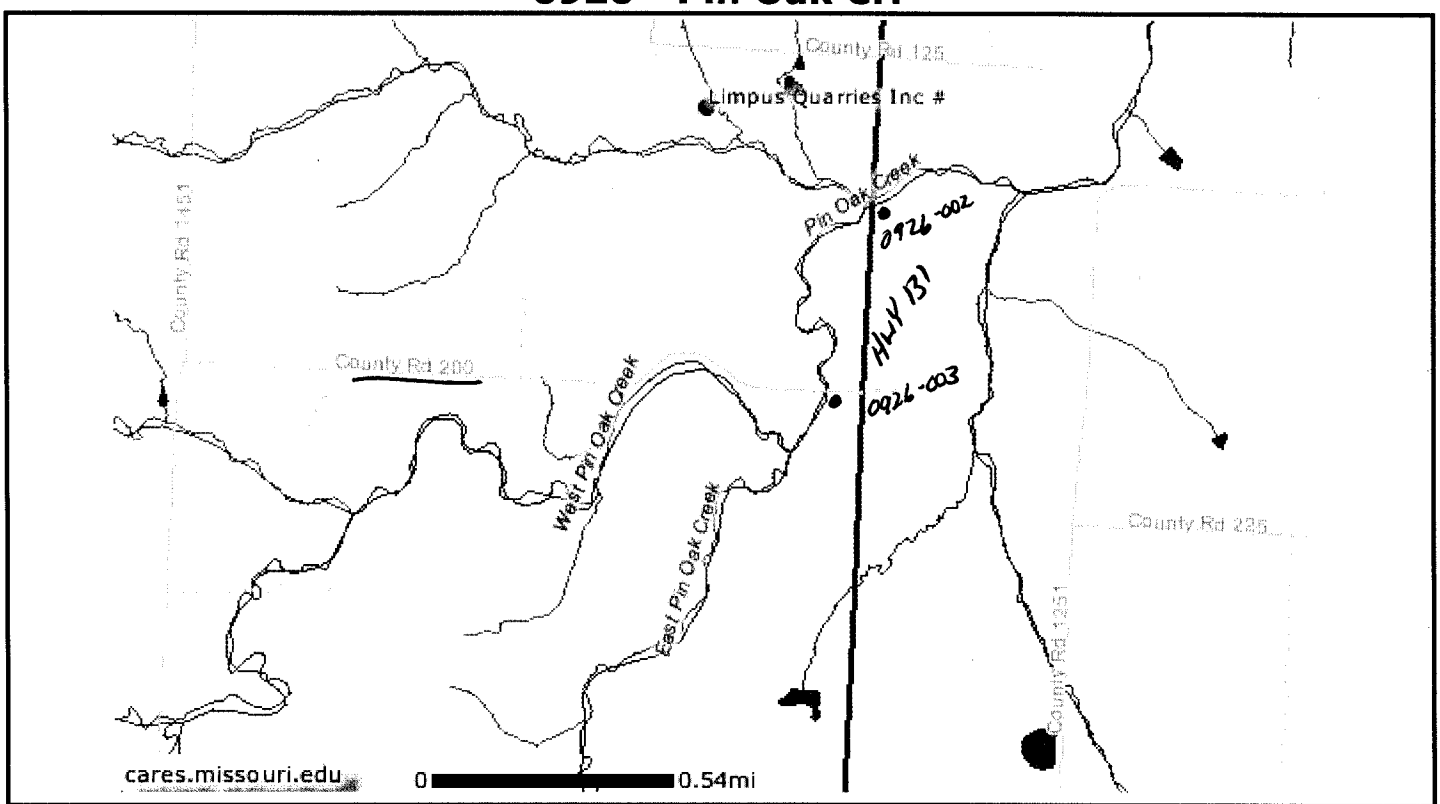
- (cont)

Location Map



Map prepared by:
http://cares.missouri.edu, 6/27/2005.

0926 - Pin Oak Cr.



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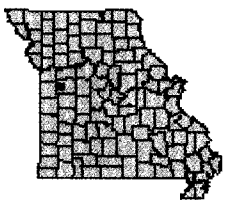
- Reservoir
- Stream or River
- Swamp or Marsh

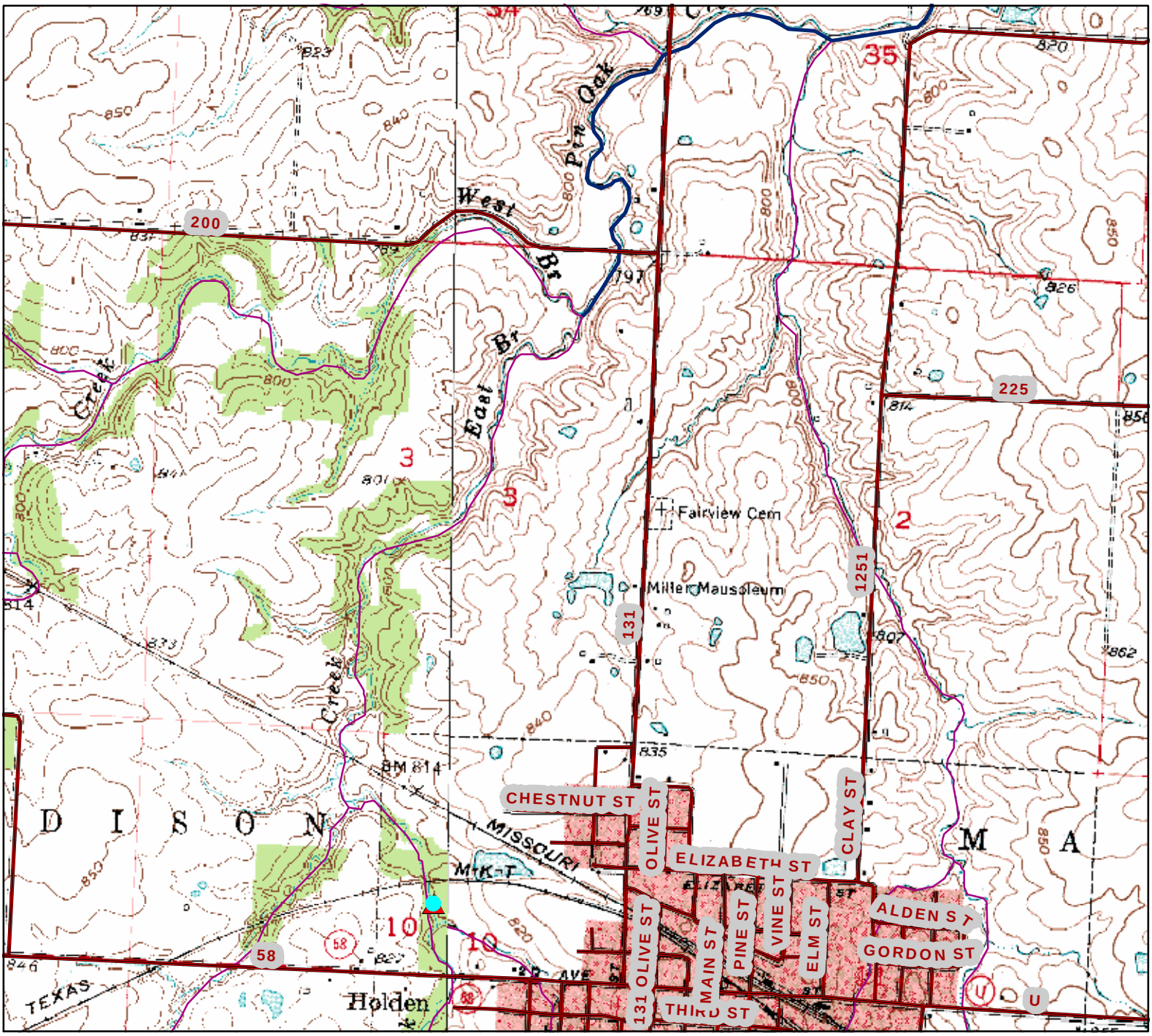
(cont)

Location Map



Map prepared by:
http://cares.missouri.edu, 6/27/2005.

Holden WWTF
Johnson County
~1.87 miles from Pin Oak Creek (#0926)



Legend

- Roads
- Point Sources
- Classified Waterbodies
- Counties

N
W E
S

0 0.25 0.5 1 Miles

Note: 001 is DS - most site. ap

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0926 - 001	Site Location Description: County U 75 Johnson Co.
Site GPS Coordinates: N 38.75782 W093.97690	
Date & Time: 7/5/05 8:24AM	Facility Name: Holden WWTF
Personnel: Aaron Skidmore	Permit Number: MO 0057908
Current Weather Conditions: Partly Cloudy 90°F	Weather Conditions for Past 7 days: Wet
Photo Ids: Upstream: 1-3 / Downstream: 4-8	Other:

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☒ Other: Fire Hook

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Dead Animals in stream
Oily Reside on surface of water downstream

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☒ Steep slopes	☒ Other: Small farms	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☒ Other: Trash				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID #0926-001: **Data Sheet B - Site Characterization**

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Pool	Width (ft): 21	Length (ft): 75	Avg. Depth (ft): 1 ft	Max. Depth (ft): 1.75 ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 2.25 ft^3/sec	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Pool	Width (ft): 27	Length (ft): 20	Avg. Depth (ft): 1 ft	Max. Depth (ft): 1.5 ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.75 ft^3/sec	

Substrate*: (These values should add up to 100%.)

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
50				50	

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

5% algae

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☒ Other: Dead Animals
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: Muddy
Bottom Deposit:	☐ Sludge	☐ Solids	☒ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☒ Oil	☐ Scum	☐ Foam	☐ None	☐ Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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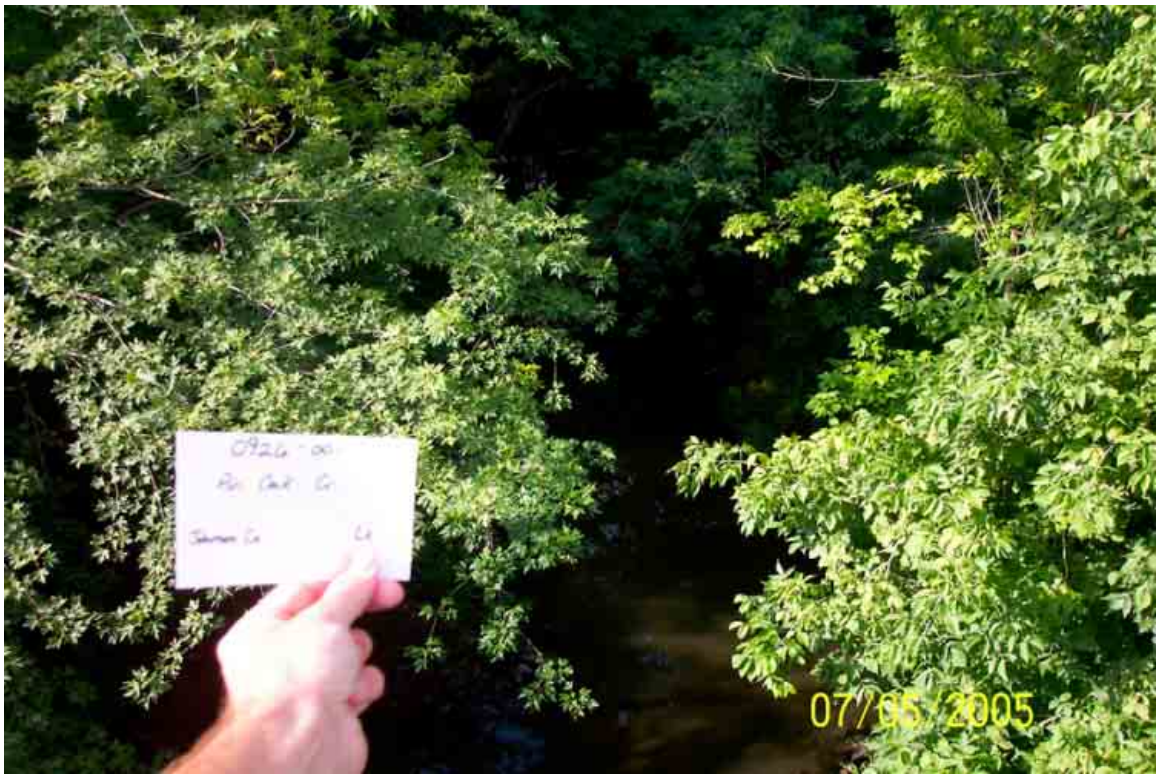
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: _____ **Date:** 7/5/05

Organization: MDNR Position: Env. Specialist

0926_001_US



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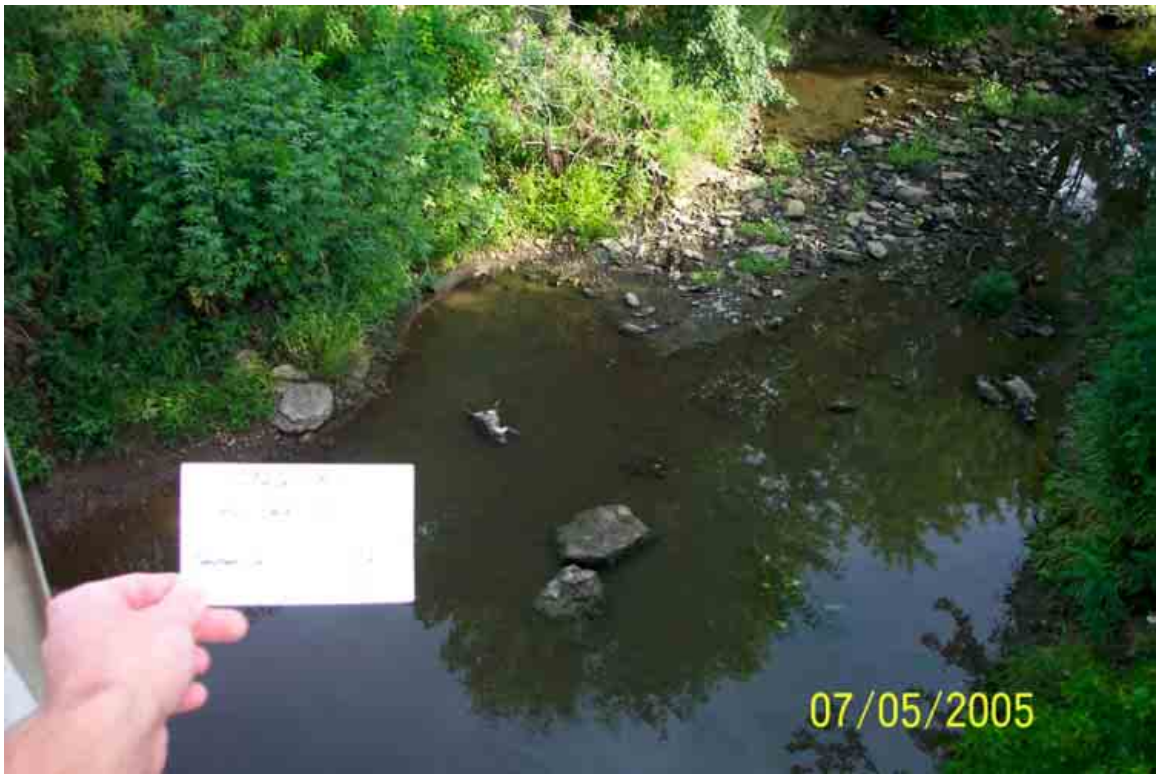

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0926_001_DS

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0926 - 002		Site Location Description: Hwy 131 Johnson Co.	
Site GPS Coordinates: N 38.74656 W093.99186			
Date & Time: 7/5/05 8:42 AM		Facility Name: Holden WWTF	
Personnel: Aaron Blubaugh		Permit Number: MO 0057908	
Current Weather Conditions: Partly Cloudy 80°F		Weather Conditions for Past 7 days: Wet	
Photo Ids: Upstream: 9-10	Downstream: 11-12	Other:	

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☒ None of the above	☐ Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Small farms

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☒ Steep slopes	☐ Other:	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 0926-002 **:** **Data Sheet B - Site Characterization**

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Pool	Width (ft): 20	Length (ft): 75	Avg. Depth (ft): 1ft	Max. Depth (ft): 1ft
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Pool	Width (ft): 24	Length (ft): 100	Avg. Depth (ft): 1ft	Max. Depth (ft): 2ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.5 ft^3/sec	

Substrate*: (These values should add up to 100%.)

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
10				90	

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

18% alga

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: muddy
Bottom Deposit:	☐ Sludge	☐ Solids	☒ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

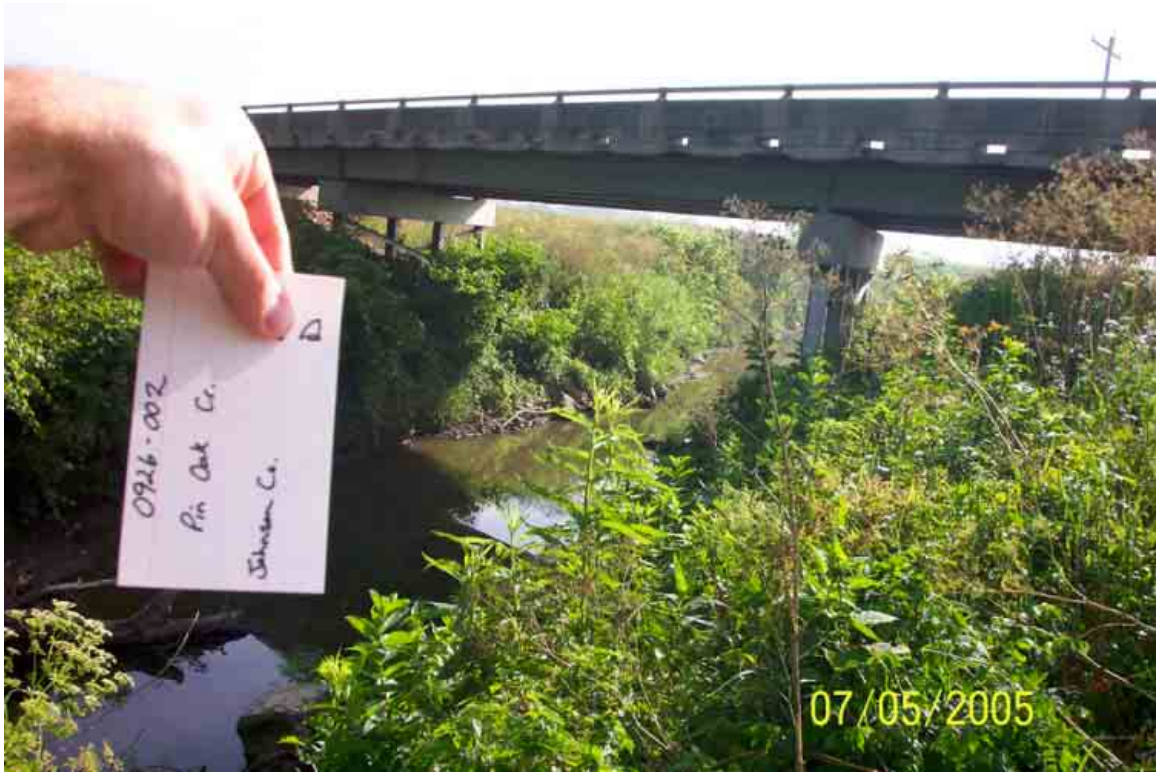
Signed: Sean Bluh **Date:** 7/5/05

Organization: MDNR Position: Env Specialist

0926_002_US

0926_002_US

0926_002_DS



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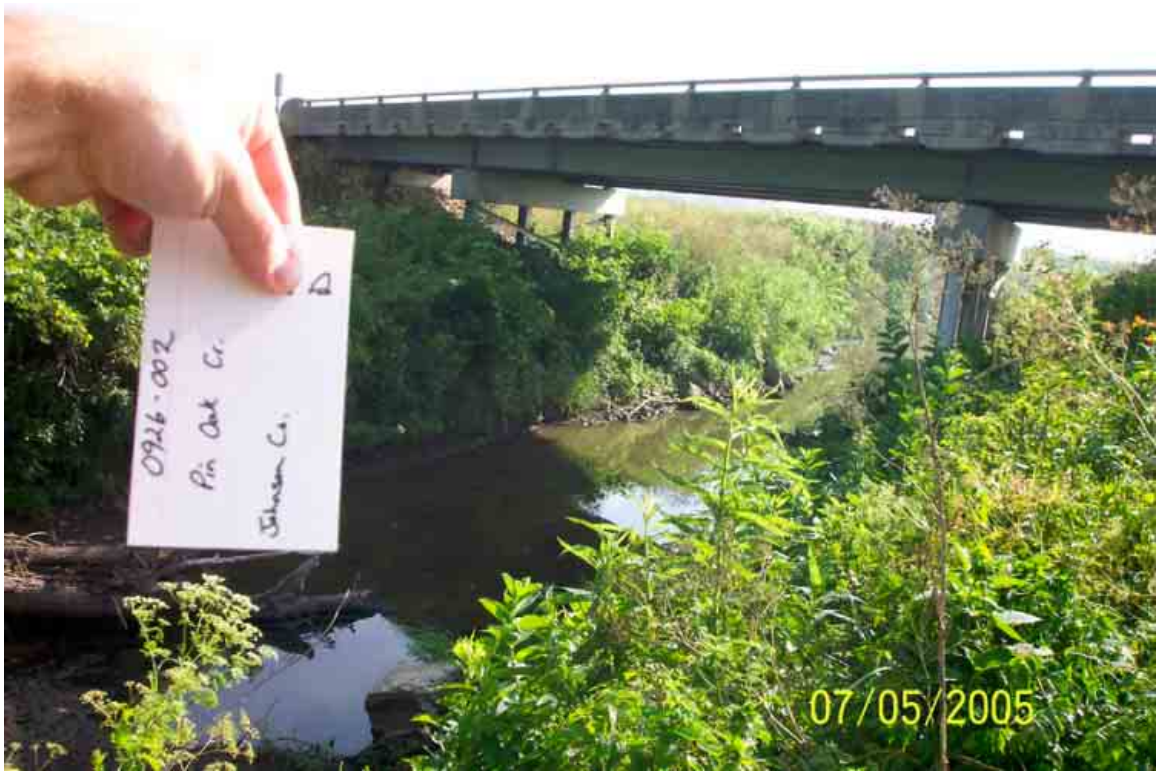

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0926-003		Site Location Description: County Rd 200	
Site GPS Coordinates: N38.74034 W093.9940			
Date & Time: 7/5/05 8:54 AM		Facility Name: Holden WWTF	
Personnel: Aaron Blackburn		Permit Number: MO 0057908	
Current Weather Conditions: Partly Cloudy 82°F		Weather Conditions for Past 7 days: Wet	
Photo Ids: Upstream: 13-15	Downstream: 16-18	Other:	

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☒ None of the above	☐ Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Small acreage farms, horses, nearby new house

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☒ Fence	☑ Steep slopes	☒ Other: Trees	

Evidence of Human Use*:

☒ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☑ Other: Trash, tire				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two – WBID #0926-003: **Data Sheet B - Site Characterization**

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
☒ Pool	Width (ft): 30	Length (ft): 100	Avg. Depth (ft): 1.5ft	Max. Depth (ft): 2ft	
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):		

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):	
☒ Pool	Width (ft): 30	Length (ft): 45	Avg. Depth (ft): 1ft	Max. Depth (ft): 1.5ft	
☐ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):		

Substrate*: (These values should add up to 100%.)

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
30				70	

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

5% algae

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☒ Green	☐ Gray	☐ Milky	☒ Other: Muddy
Bottom Deposit:	☐ Sludge	☐ Solids	☒ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☒ None	☐ Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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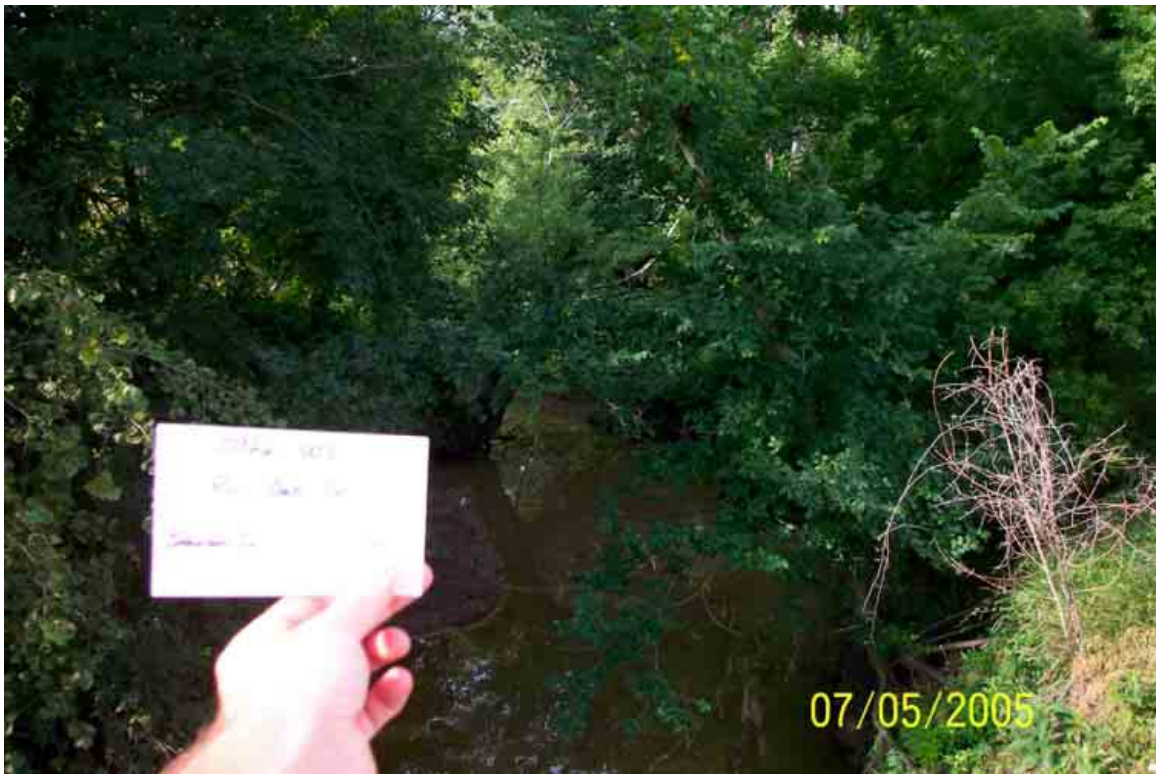
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: [signature] **Date:** 7/5/05

Organization: MDNR Position: Env. Specialist

0926_003_US



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